



# Transformer Oil

## Electrical Insulation Oil



### Features & Benefits

- Meets CSA C50-08, Class A, Type I
- High dielectric strength
- Exceptional purity for long life

**Irving Transformer Oil** is a quality electric insulating oil made from specially prepared naphthenic base oils. This low viscosity product has exceptional stability and is neither acidic nor alkaline in nature which means less harm towards the varnish found in transformer windings.

**Irving Transformer Oils** purity helps the it to naturally resist oxidation and sludge formation. The main functions of a transformer oil are to cool the windings and act as an insulator. To do this, the oil must have good heat transfer ability and excellent fluidity for low temperature operations.

**Irving Transformer Oil** was formulated to be extremely stable with little breakdown. Transformers are often found in remote locations; infrequent replacement is integral for smooth operations.

**Irving Transformer Oils** insulating ability is quickly reduced if water is present even in trace amounts. Care must be taken to keep unopened containers sealed and to avoid contaminating the oil when filling transformer tanks.

### Specifications

Meets or Exceeds	Transformer Oil
CSA C50-08, Class A, Type I	✓

### Sizes & Order Codes

Transformer Oil
18.9L (5 US Gal) F0082340
205L (54.2 US Gal) F005750

### Typical Results

Test Method	Transformer Oil
<b>VISCOSITY</b> (D445) cSt @ 40°C cSt @ 100°C	7.6 2.1
<b>INTERFACIAL TENSION</b> (Dynes/CM) (D971) min.	42
<b>GASSING TENDENCY</b> (uL/min) (D2300B) max.	30
<b>OXIDATION INHIBITOR CONTENT</b> (mass%) (D2668) max.	0.08
<b>POWER FACTOR</b> (%) (D924) max. @ 100°C @ 25°C	0.5 0.05
<b>2-FURALDEHYDE</b> (ug/L) (D5837)	< 100 ug/L
<b>POUR POINT</b> (°C) (D97) max.	-46
<b>FLASH POINT</b> (°C) (D92) min.	145
<b>DIELECTRIC BREAKDOWN @ 60Hz</b> (kV) (D877) min.	30
<b>DENSITY</b> (D4052) @ 15°C (kg/L)	0.876
<b>ANILINE POINT</b> (°C) (D611) min.	63
<b>WATER CONTENT</b> (ppm) (D1533)	35
<b>NEUTRALIZATION NUMBER</b> (D974) max.	0.02
<b>PCB CONTENT</b> (ppm) (D4059)	< 1
<b>CORROSIVE SULFUR</b> (D1275B)	Non-Corrosive



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Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals. Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to 02/21/19.

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